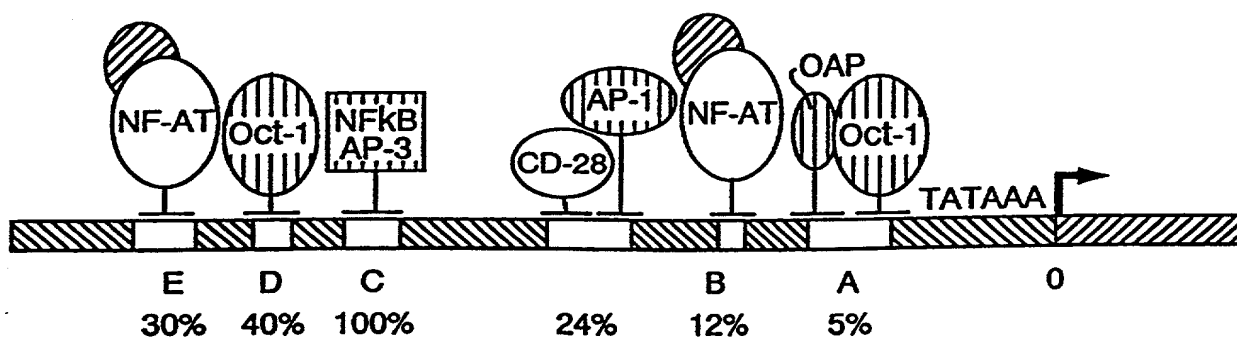


Fig. 1



IL-2 Enhancer

Fig. 2

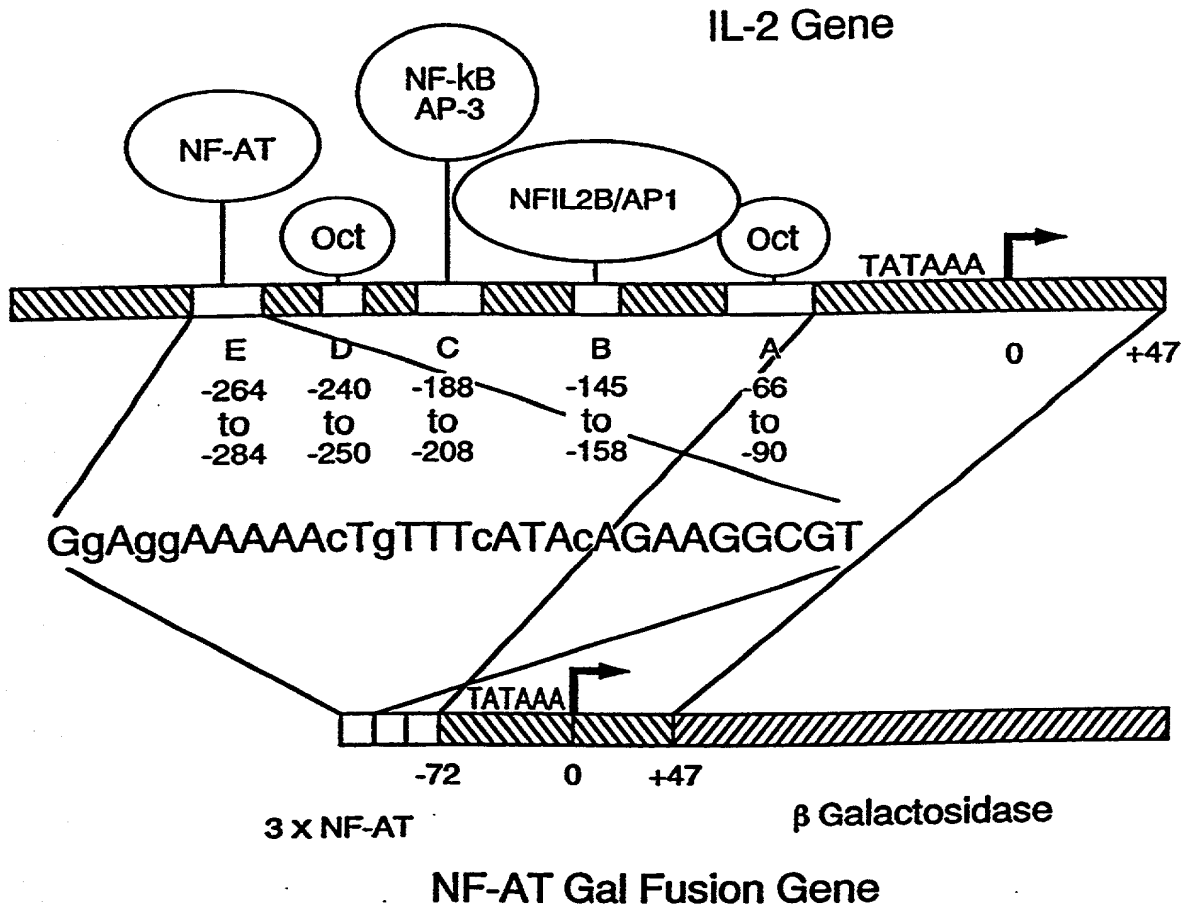


Fig. 3

FP J<sup>+</sup> J<sup>-</sup> K<sup>+</sup> K<sup>-</sup> F<sup>+</sup> F<sup>-</sup> H T E C J<sup>-</sup> J<sup>+</sup>



Fig. 4

Cytoplasmic extract	-	-	ns	ns	ns	ns
anisomycin	-	-	-	-	+	+
Nuclear extract	s+Fs+F		s+Fs+Fs+Fs+F			
anisomycin	-	+	-	+	-	+



1 2 3 4 5 6

Fig. 5

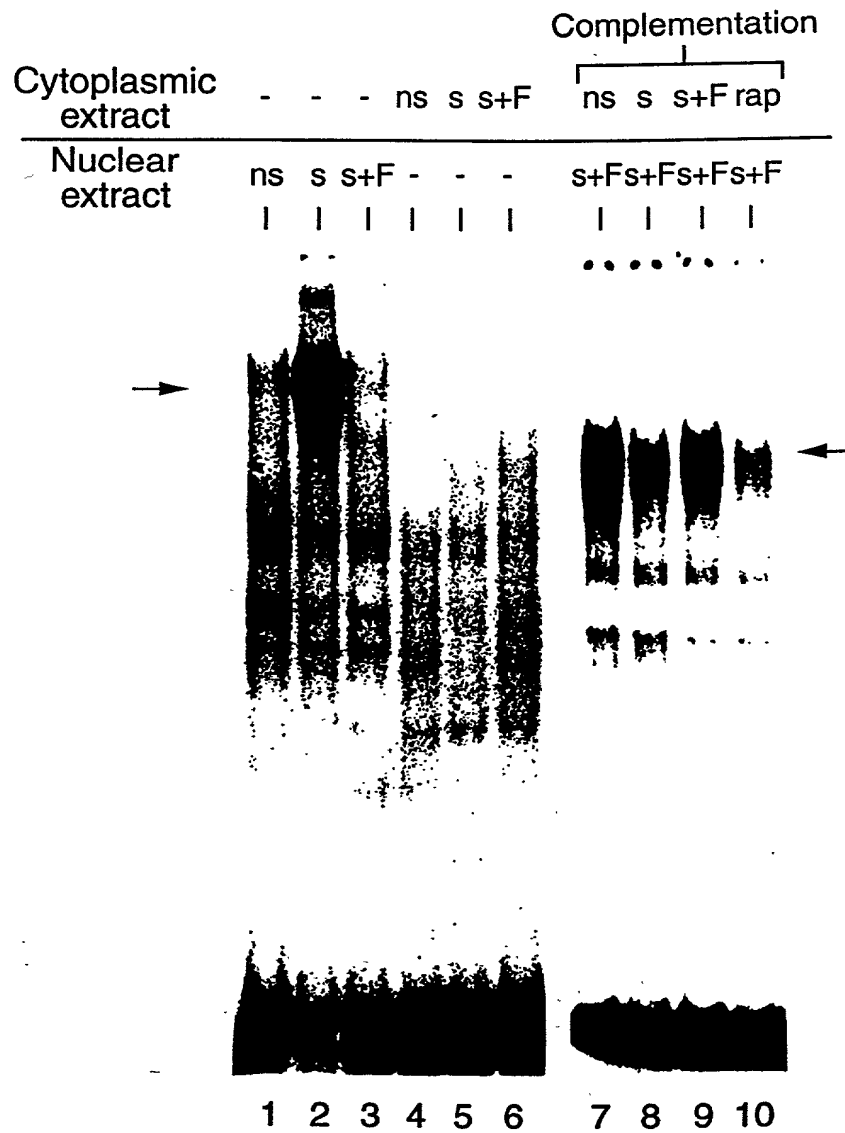


Fig. 6A

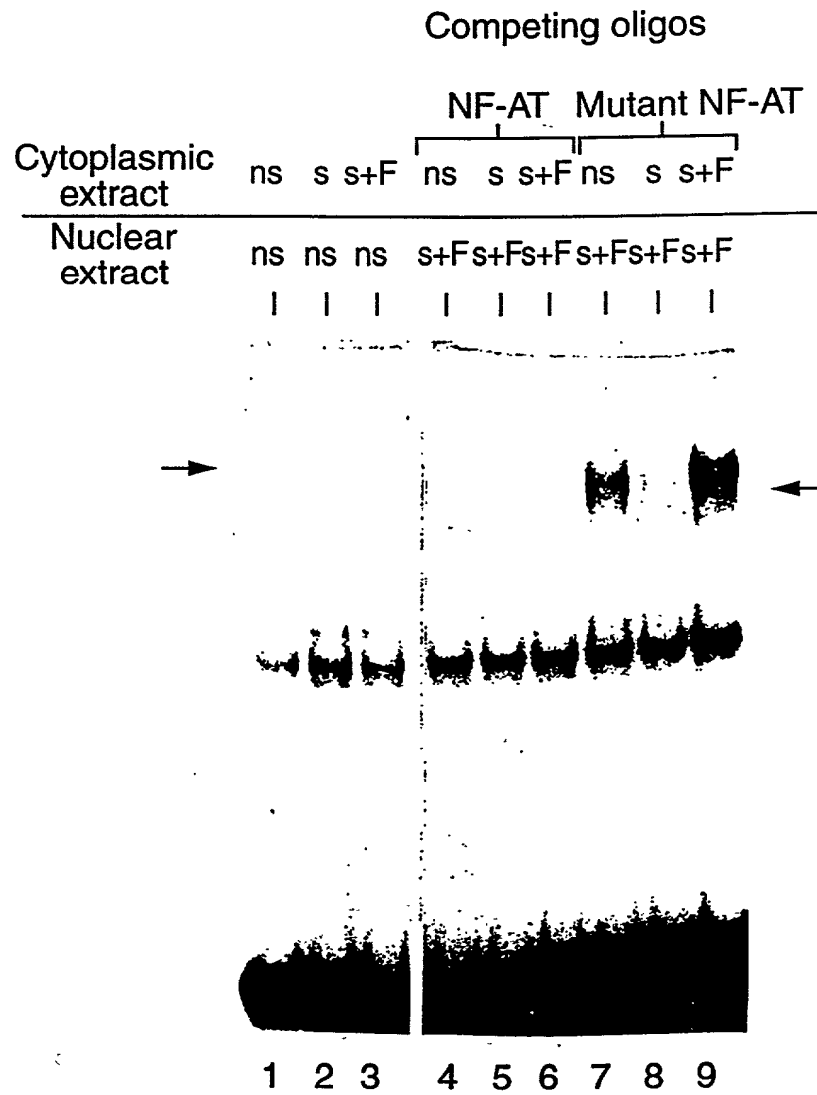


Fig. 6B

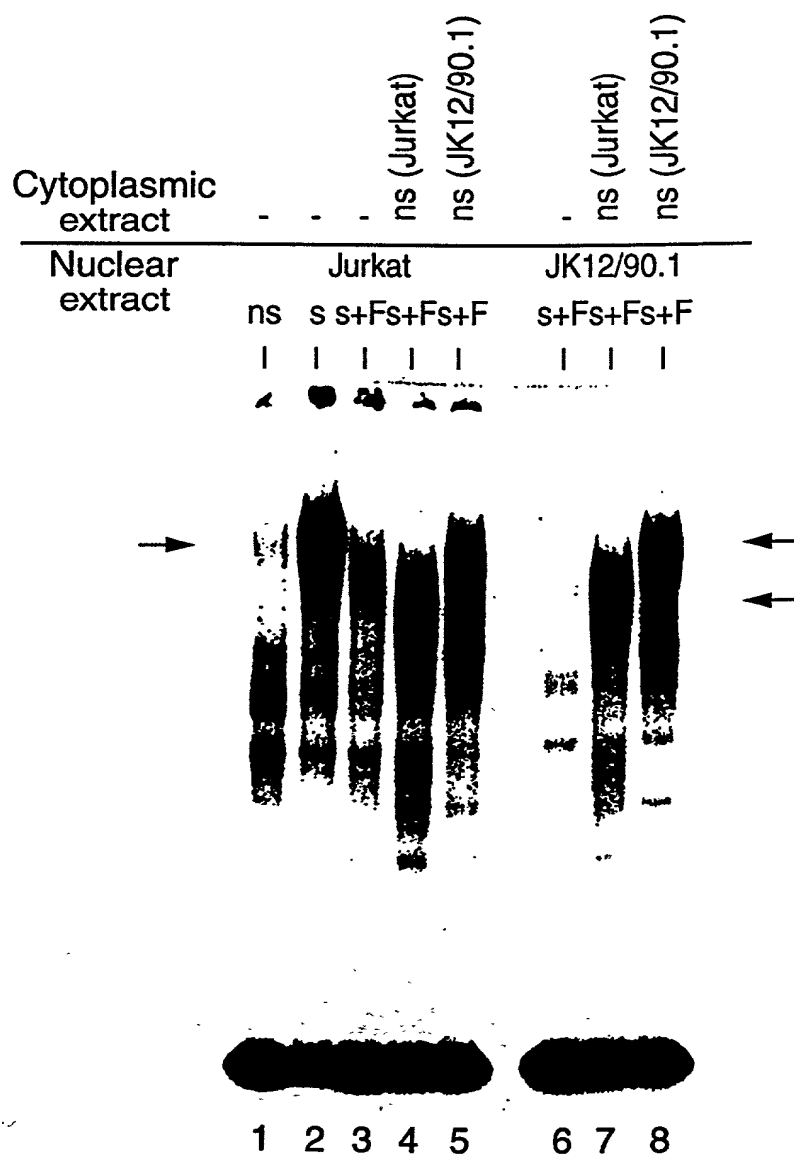
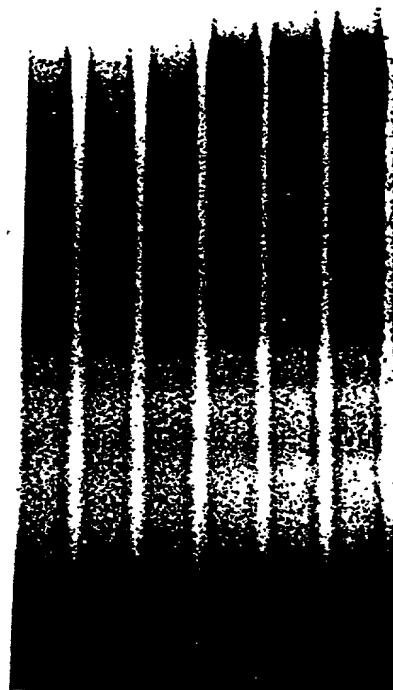


Fig. 6C



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Cytoplasmic extract	ns	s	s+C	ns	s	s+C
Nuclear extract	ns	ns	ns	s+C	s+C	s+C
	•	•	•	•	•	•



1 2 3 4 5 6

Fig. 6D

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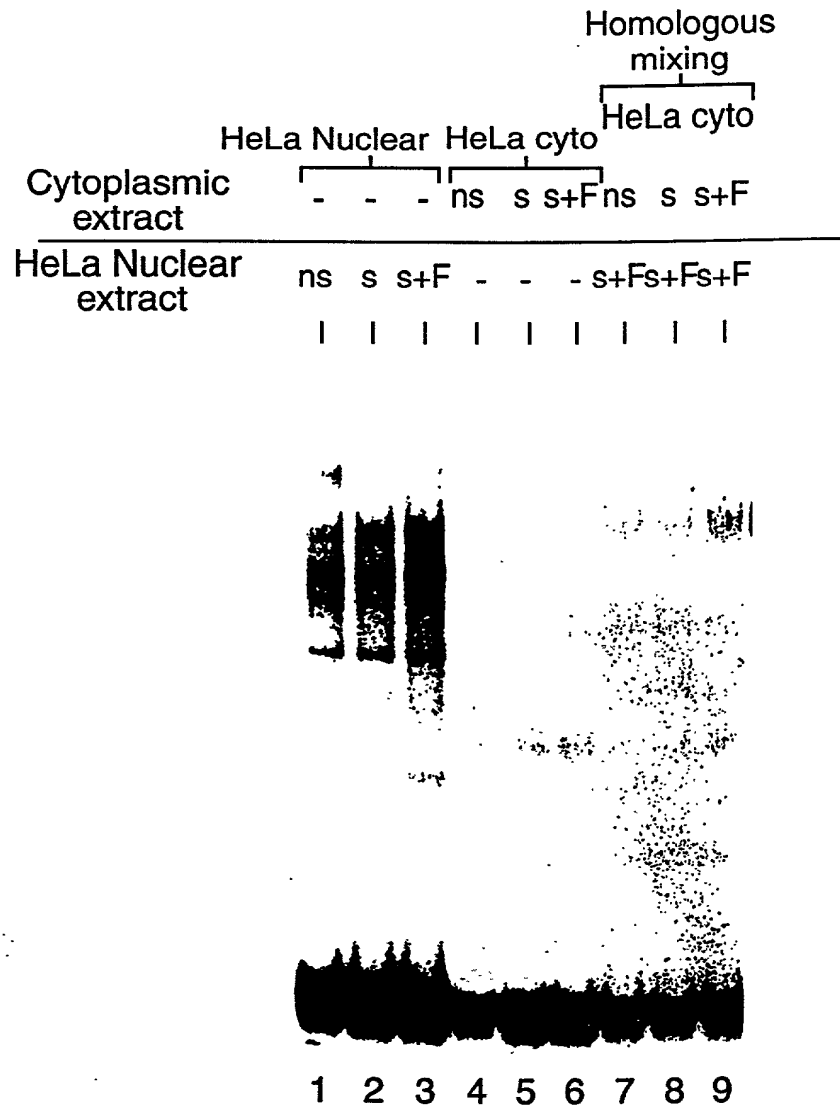


Fig. 7A

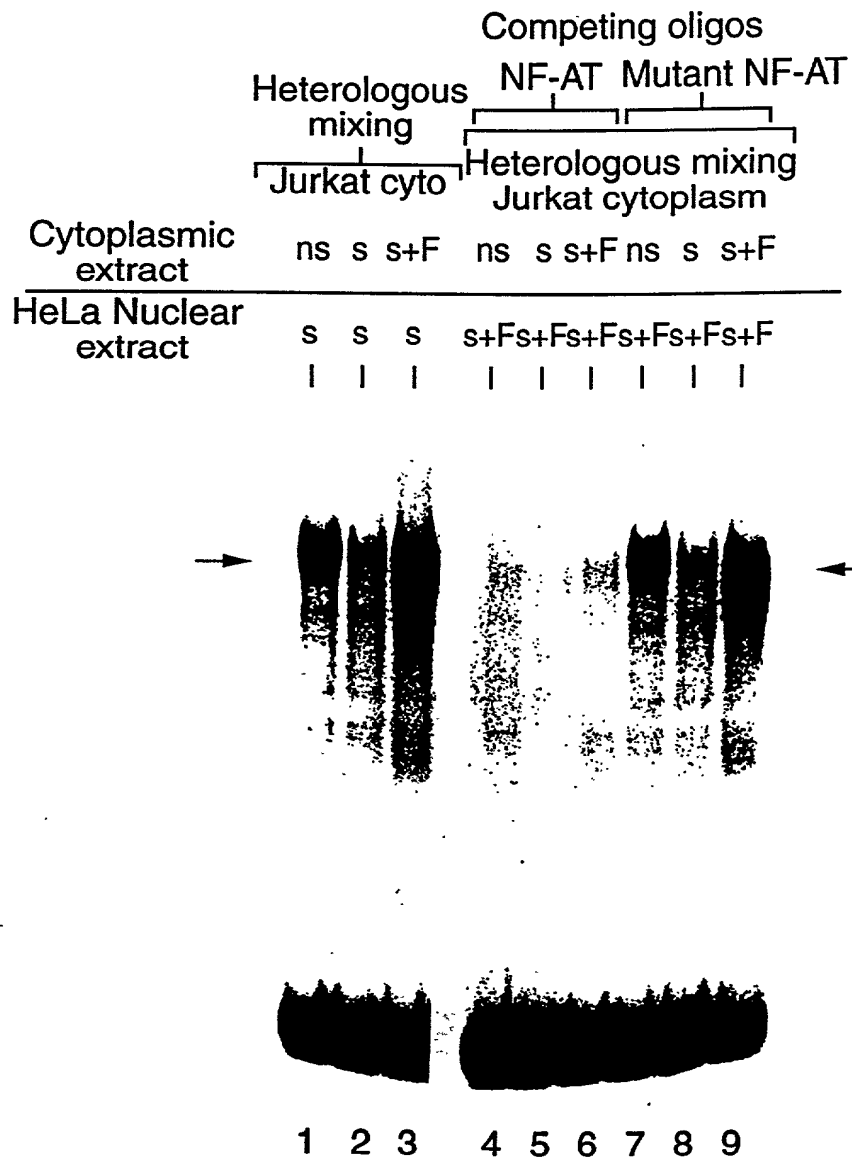
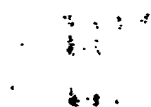
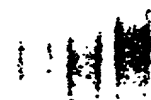


Fig. 7B

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		Heterologous mixing		
		HeLa cyto		
		ns	s	s+F
Cytoplasmic extract				
Jurkat Nuclear extract	s+F	s+F	s+F	s+F



1 2 3

Fig. 7C

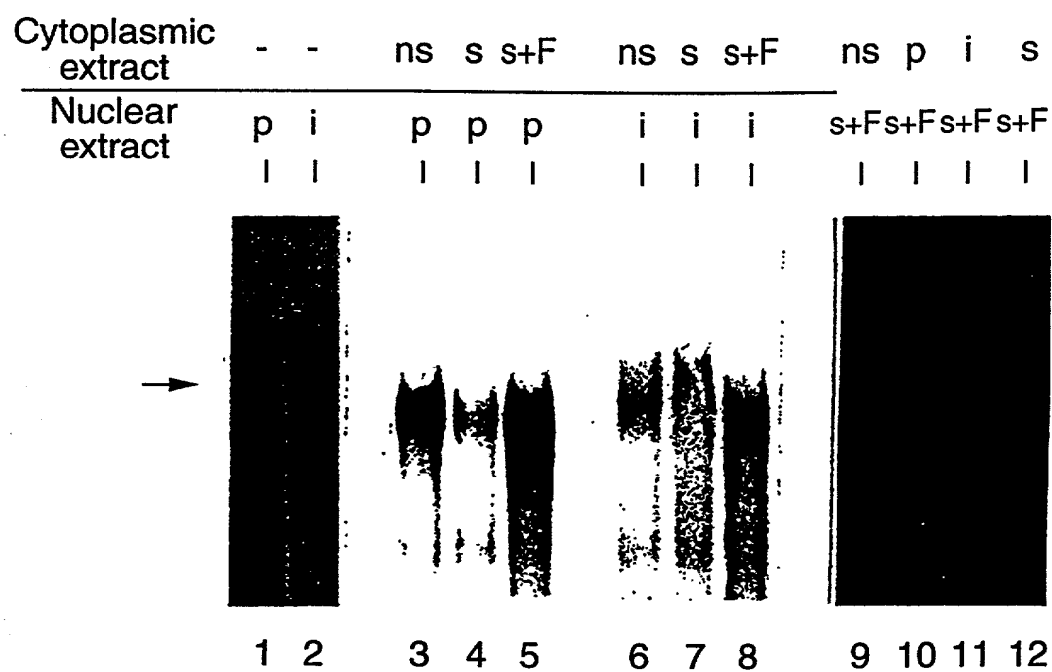


Fig. 8

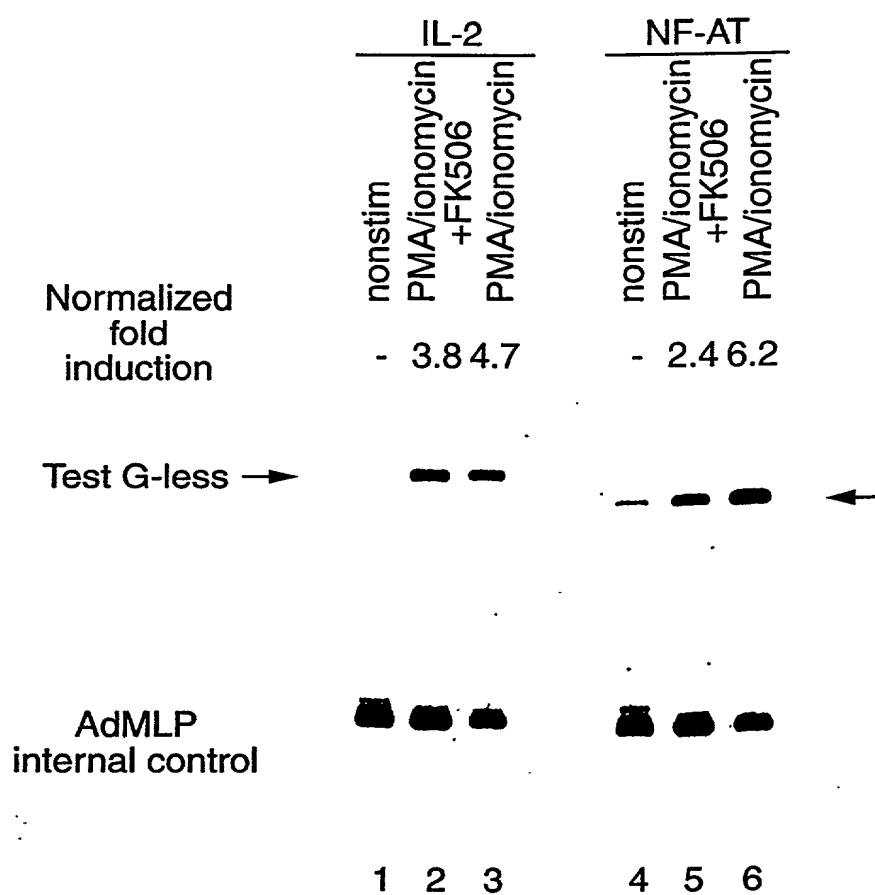


Fig. 9A



Fig. 9B

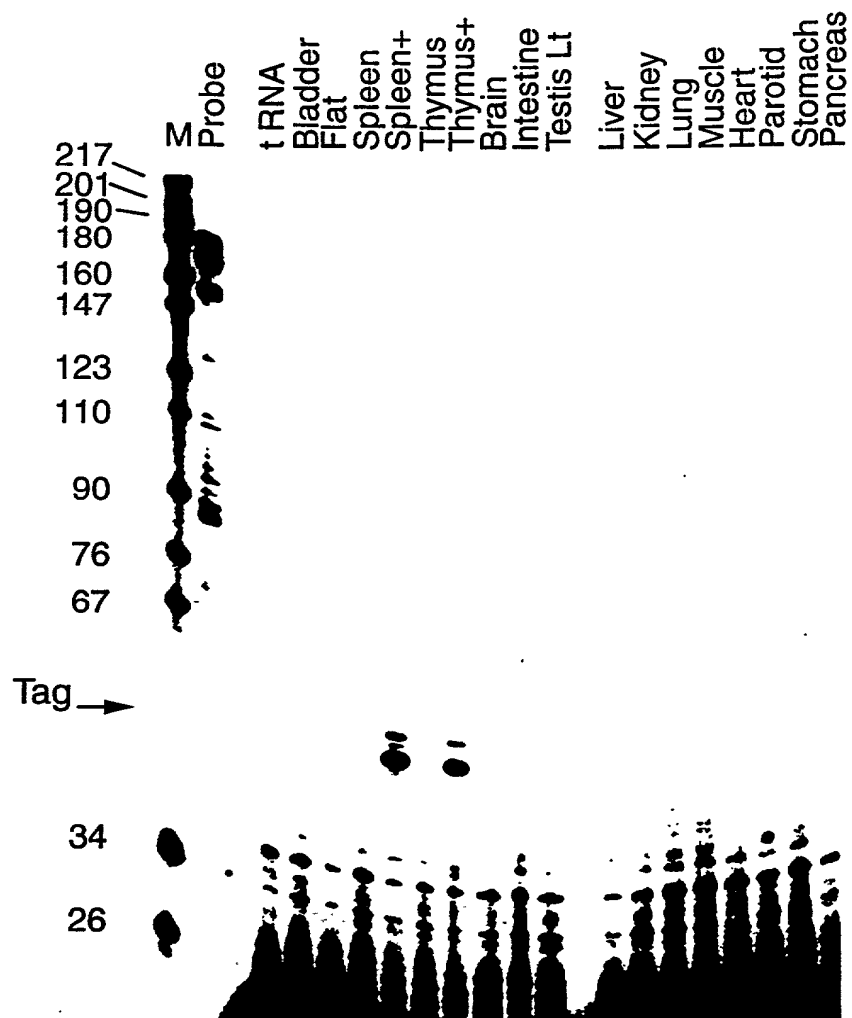


Fig. 10



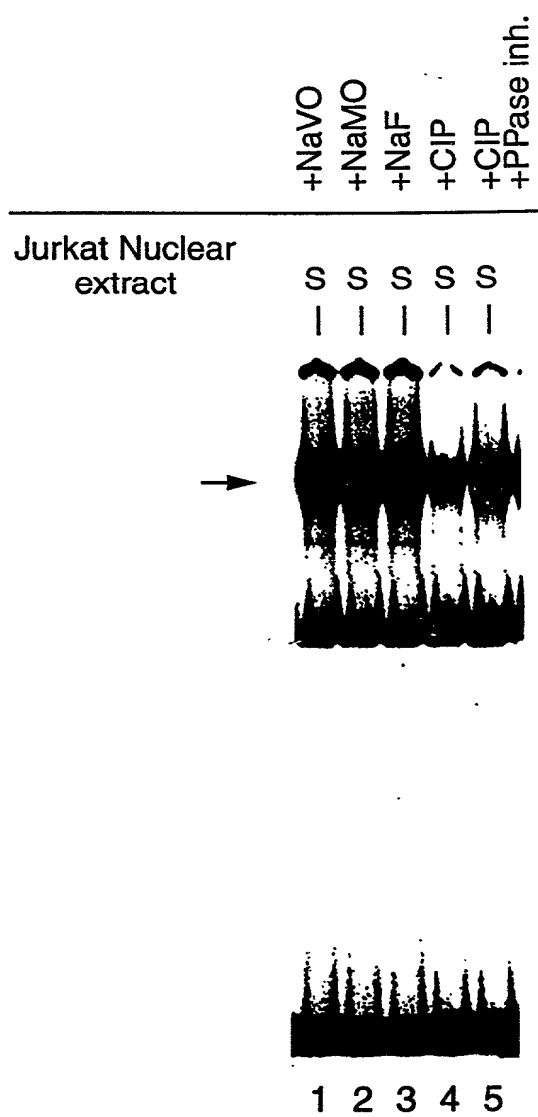


Fig. 11

10 30 50 70 90  
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 110 130 150 170 190  
 tcgatgactttcctccggggcgccggcgctgagccggggcgagggtgtcttcccgagaccgaccccggcagcgccggggcgccacttctcctgtg  
 210 230 250 270 290  
 cctccgcccgtgctccactccccgcgcgcgcgcggatgccaaagcaccagctttccagtccttccaagtccacttggccctgcggctgcggct  
 1 M P S T S F P V P S K F P L G P A A A V F 21  
 310 330 350 370 390  
 tcgggagaggagaaactttggggccgcgcgcgcggcgccaccatgaagtgcagcggaggaagaacactatggctatgcctcctccaacgtcagccc  
 22 G R G E T L G P A P R A G G T M K S A E E E H Y G Y A S S N V S P 54  
 410 430 450 470 490  
 cgccctgcgcgtccccacggcgccactccaccctgcggcccggtgccacaaccttcagacctccacacgggcatcatcccgccggcgatcacccctcg  
 55 A L P L P T A H S T L P A P C H N L Q T S T P G I I P P A D H P S 87  
 510 530 550 570 590  
 gggtagcgagcagctttggacggtggggccgcgggctacttctctcctccggccacaccaggcctgatggggccctgcccctggagagtctcgcgcg  
 88 G Y G A A L D G G P A G Y F L S S G H T R P D G A P A L E S P R I E 121  
 610 630 650 670 690  
 agataacctcgtgcttggcctgtaccacaacaataaccagttttccacgatgtggaggtggaagacgtcctccctagctccaacgggtccccctccac  
 122 I T S C L G L Y H N N N Q F F H D V E V E D V L P S S K R S P S T 154  
 710 730 750 770 790  
 ggccacgctgagctgcccagcctggaggcctacagagaccctcgtgcctgagccggccagcagcctgtcctcccgagctgcaactcagaggcctcc  
 155 A T L S L P S L E A Y R D P S C L S P A S S L S S R S C N S E A S 187  
 810 830 850 870 890  
 tcctacgagtcgaactactcgtaccgctacgcgtccccccagacgtgcgcatggcagctcctcctgcgtgtctcccaagaccacggaccccgaggagggt  
 188 S Y E S N Y S Y P Y A S P Q T S P W Q S P C V S P K T T D P E E G F 221  
 910 930 950 970 990  
 ttccccgcgggctggggcctgcacactgctgggttccccgcagcactccccctccacctcgccccgcgcagcgtcactgaggagagctggctgggtgc  
 222 P R G L G A C T L L G S P Q H S P S T S P R A S V T E E S W L G A 254  
 1010 1030 1050 1070 1090  
 ccgctcctccagaccgcgtccccctgcaacaagaggaagtacagcctcaacggccggcagccgctactcaccaccactcgccacgcgcgtccccg  
 255 R S S R P A S P C N K R K Y S L N G R Q P P Y S P H H S P T P S P 287  
 1110 1130 1150 1170 1190  
 cacggctccccgcgggtcagcgtgaccgacgactcgtggttgggcaaccaccacccagtcacaccagctcgccatcgtggccgcatcaacgcgctgacca  
 288 H G S P R V S V T D D S W L G N T T Q Y T S S A I V A A I N A L T T 321

Fig. 12A

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1210 1230 1250 1270 1290  
 322 D S S L D L G D G V P V K S R K T T L E Q P P S V A L K V E P V G 354  
 1310 1330 1350 1370 1390  
 355 E D L G S P P P P A D F A P E D Y S S F Q H I R K G G F C D Q Y L 387  
 1410 1430 1450 1470 1490  
 388 A V P Q H P Y Q W A K P K P L S P T S Y M S P T L P A L D W Q L P S 421  
 1510 1530 1550 1570 1590  
 422 H S G P Y E L R I E V Q P K S H H R A H Y E T E G S R G A V K A S 454  
 1610 1630 1650 1670 1690  
 455 A G G H P I V Q L H G Y L E N E P L M L Q L F I G T A D D R L L R 487  
 1710 1730 1750 1770 1790  
 488 P H A F Y Q V H R I T G K T V S T T S H E A I L S N T K V L E I P L 521  
 1810 1830 1850 1870 1890  
 522 L P E N S M R A V I D C A G I L K L R N S D I E L R K G E T D I G 554  
 1910 1930 1950 1970 1990  
 555 R K N T R V R L V F R V H V P Q P S G R T L S L Q V A S N P I E C 587  
 2010 2030 2050 2070 2090  
 588 S Q R S A Q E L P L V E K Q S T D S Y P V V G G K K M V L S G H N F 621  
 2110 2130 2150 2170 2190  
 622 L Q D S K V I F V E K A P D G H H V W E M E A K T D R D L C K P N 654  
 2210 2230 2250 2270 2290  
 655 S L V V E I P P F R N Q R I T S P V H V S F Y V C N G K R K R S Q 687  
 2310 2330 2350 2370 2390  
 688 Y Q R F T Y L P A N G N A I F L T V S R E H E R V G C F F 716  
 2410 2430 2450 2470 2490

Fig. 12B

2410 2430 2450 2470 2490  
acgacgtcgcgtaaacgagcgtggcgtgttgacatttaactgtgtgatgtcccgtagtgagaccgagccatcgatgccctgaaaaggaaaggaaaag  
2510 2530 2550 2570 2590  
ggaagcttcggatgcattttccttgatccctgttgggggtgggggcccgggggtgcatactcagatagtcacggttattttgcttcttgcaatgtataa  
2610 2630 2650 2670 2690  
cagccaaggggaaaacatggctcttctgctccaaaaaactgaggggtcctggtgtgcatttgcaccctaaagctggttacggtgaaaaggcaaataaggt  
2710 2730 2750  
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Fig. 12C

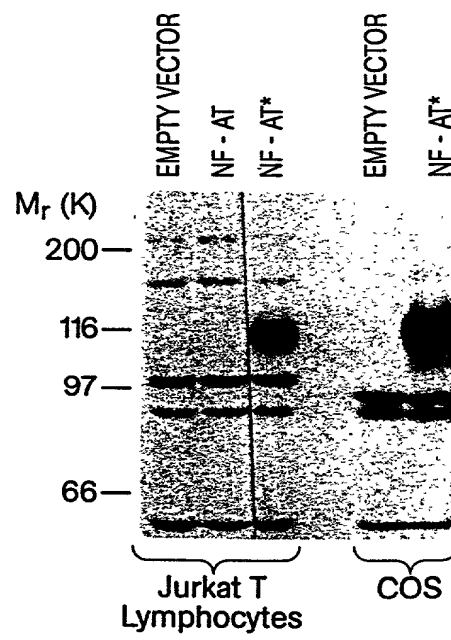


Fig. 13

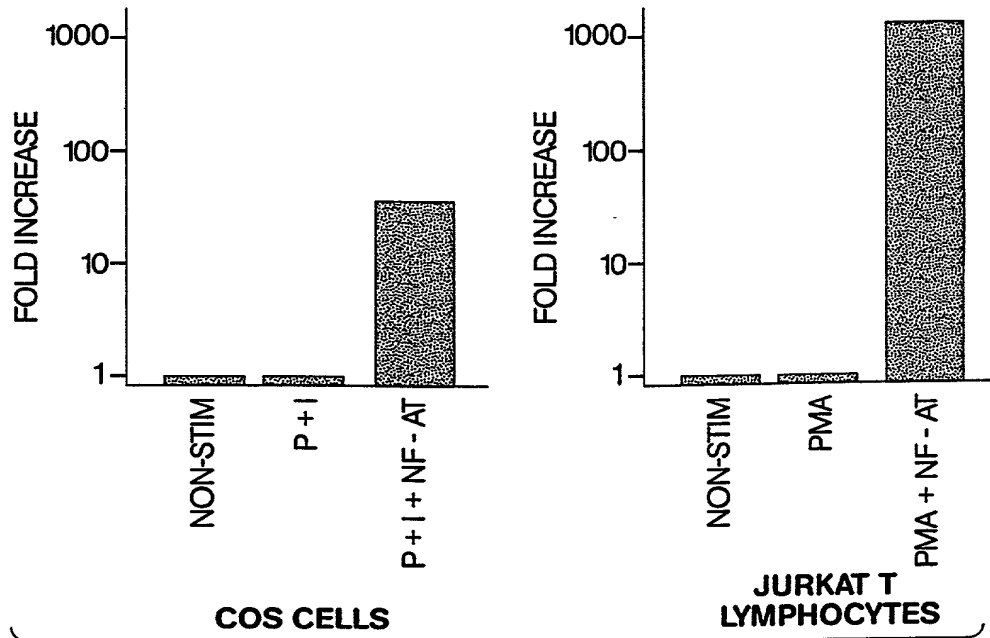


Fig. 14A

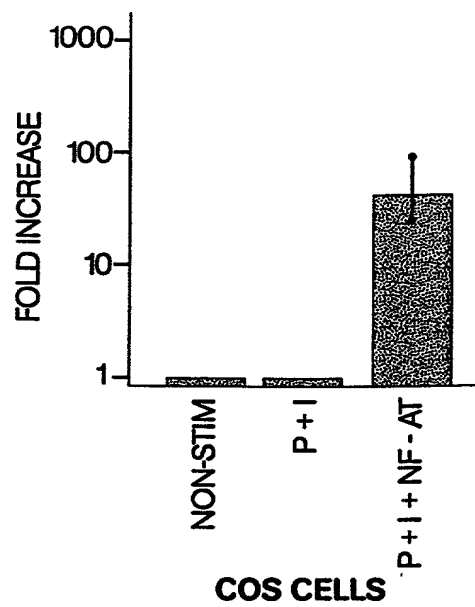


Fig. 14B

DMDORSAL TKNVRKKPYVKITE-QPAGKALRFRYEC EGRSAGSIPGVNSTPENKT  
 C-REL MASGLYNPIEIE-QPRQRGMRFYKCEGRSAGSIPQEHSTDNNRT  
 NFKB p50 IPLSTDGPYLQILE-QPKQRGFRFYVCEGP SHGGLPGASSEKNKKS  
 NFKB p65 EPAQA SGPYVEIIE-QPKQRGMRFYKCEGRSAGSIPGERSTDTKT  
 NFATC QLP SHSGPYELRIEVQPKSH-HRAHYETEG-SRGAVKASAGG-----  
 NFATp PLSNQSGSYELRIEVQPKPH-HRAHYETEG-SRGAVKAPTGG-----

418

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457

DMDORSAL YPTIEIVGYKGRAVVVSCVTKDTPYRP-HPHNLVGKEGCK-KGVCTLEI  
 C-REL YPSINIMNYYGRGKVRITLVTKNDPYKP-HPHDLVGKD-CR-DGYEAEF  
 NFKB p50 YPQVKICNYVGP AKVIVQLVTNGKNIHL-HAHSLVGKH-CE-DGVCTVTA  
 NFKB p65 HPTIKINGYTGPGTVRISLVTKDPPHRP-HPHELVGKD-CR-DGYEADL  
 NFATC HPIVQLHGYLENEPLMLQLFIGTADDRLLRPHAFYQV--HRITGKTVSTT  
 NFATp HPVVQLHGYMENKPLGLQIFIGTADERILKPHAFYQV--HRITGKTVTTT

458

505

DMDORSAL NSE-TMRAVFSN LGIQCCKKKDIEAAL KAR-EEIRVDPFKTGFSHRF---  
 C-REL GNE-RRPLFFQN LGIRCVKKKEVKEAII TRIKAG-INPFN-----  
 NFKB p50 GPK-DMVVG FANLGI LHVTKKKVFETLEARMTEACIRGYNPGLLVHSDL  
 NFKB p65 CPDRDSIHSFQN LGIQCCKKRDLEQAIS-QRIQTNNNPFH-----  
 NFATC SHE-AILSNTKVLEIPLPENSMRAVIDCAGILKL RNS-----  
 NFATp SYE-KIVGNTKVLEIPLPEPKNNMRA TIDCAGILKL RNA-----

506

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542

Fig. 15A

DMDORSAL  
 C-REL  
 NFKB p50  
 NFKB p65  
 NFATC  
 NFATp

```

-----QPSIDLNSVRLCFQVFMESEQK
-----VPEKQLNDIE-----DCDLNVVRLCFQVFL-PDEH
AYLQAEGGDRQLTDREKEIIRQAAVQTKEMDL[V]VRLMFTAFL-PDST
-----VPIEE-----QRGDYDLNAVRLCFQVTV-RDPA
-----DIE-----LRKGETDIGRKNTRVRLVFRVHV-PQPS
-----DIE-----LRKGETDIGRKNTRVRLVFRVHV-PEPS
  
```

572

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543

DMDORSAL  
 C-REL  
 NFKB p50  
 NFKB p65  
 NFATC  
 NFATp

```

GRFTSPLPPV[V]VSEPIFDKKA--MSDLV[II]CRL-C[SC]SATVFGNTQ[II]LLCE
GNLTALPPV[V]VSNPIYDNRAPNTAELRIICRV-NKNC[CG]SVRGGDE[II]FLLCD
GSFTRLPEPV[V]VSDAIYD[SK]APNASNLKIVRM-DRTAGC[CV]TGGE[EE]IYLLCD
GRPLL-LTPVLS[SH]PIFDNRAPNTAELKICRV-NRNSG[SC]LGGDE[II]FLLCD
GRTLS-L-QVASNPI-ECSQ[RS]AQELPLVEKQ[ST]SYPPVGGKKMVL[SG]
GRIVS-L-QAASNPI-ECSQ[RS]AHELPMVERQ[MD]SCLVYGGQ[MILT]-G
  
```

618

\*

573

DMDORSAL  
 C-REL  
 NFKB p50  
 NFKB p65  
 NFATC  
 NFATp

```

KVAKEDISVRFFEEKNGQ-SVWEAFGDFQHTDVHKQTAITTFKTPRYHTLD
KVQKDDIEVRFVL-----NDWEAKGIFSQADVHRQVAIVFKTTPPYCK-A
KVQKDDIQIRFVEEENG-GVWEGFGDFSPTDVHRQFAIVFKTTPKYKDVN
KVQKEDIENVYFTG-----PGWEARGSFSAADVHRQVAIVFRTPPYADPS
HNFLQDSKVI[FVEKAPDGH]VWEMEAKT-DRDLCKPNSLVVEI[PPFRNQR]
QNFTAESKVVFMEKTTDGGQQIWEMEATV-DKDKSQPNM[LFVEI]PEYRNKH
  
```

667

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619

Fig. 15B



DMDORSAL	I	T	E	P	A	K	V	F	I	Q	L	R	R	P	S	D	G	V	T	S	E	A	L	P	F	E	Y	V	P	M	D	S	D	P	A	H	L	R	R	K	R	Q	K	T
C-REL	I	T	E	P	V	T	V	K	M	Q	L	R	R	P	S	D	Q	E	V	S	E	S	M	D	F	R	Y	L	P	D	E	K	D	T	Y	G	N	K	A	K	Q	K	T	
NFKB p50	I	T	K	P	A	S	V	F	V	Q	L	R	R	K	S	D	L	E	T	S	E	P	K	P	F	L	Y	P	E	I	K	D	K	E	E	V	Q	R	K	R	Q	K	L	
NFKB p65	L	Q	A	P	V	R	V	S	M	Q	L	R	R	P	S	D	R	E	L	S	E	P	M	E	F	Q	Y	L	P	D	T	D	R	H	R	I	E	E	K	R	K	R	T	
NFATC	I	T	S	P	V	H	V	S	F	Y	V	C	N	-	G	K	R	K	R	S	Q	Y	Q	R	F	T	Y	L	P	A	N	G	N	A	I	F	L	T	V	S	R	E	H	E
NFATp	I	R	V	P	V	K	V	N	F	Y	V	I	N	-	G	K	R	K	R	S	Q	P	Q	H	F	T	Y	H	P	V	P	A	I	K	T	E	P	S	D	E	Y	E	P	S

668

\* \*

\*710

\*710

\* \*

\*

668

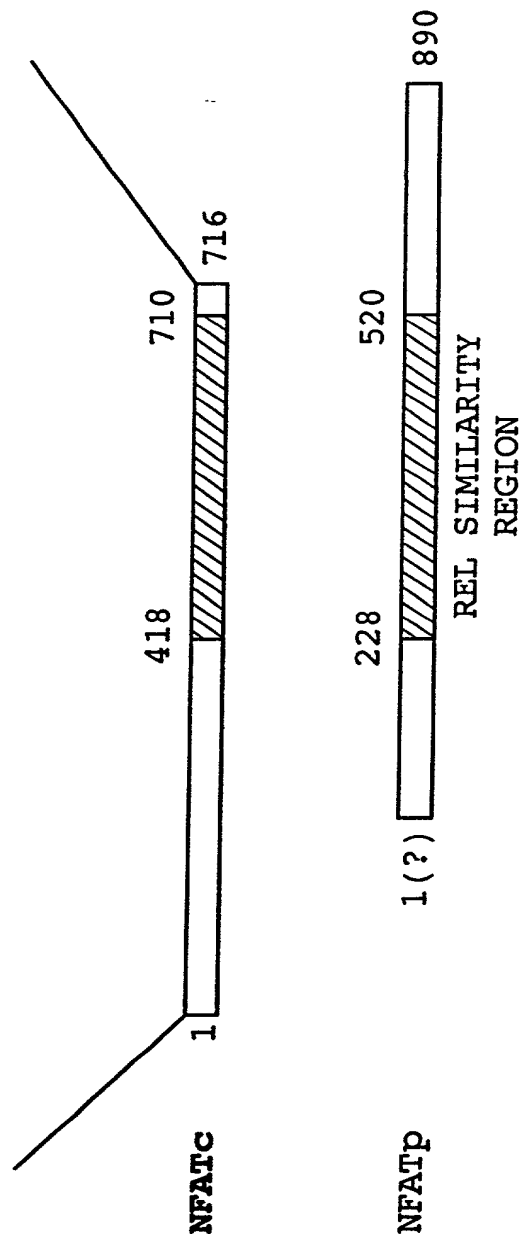


Fig. 15C

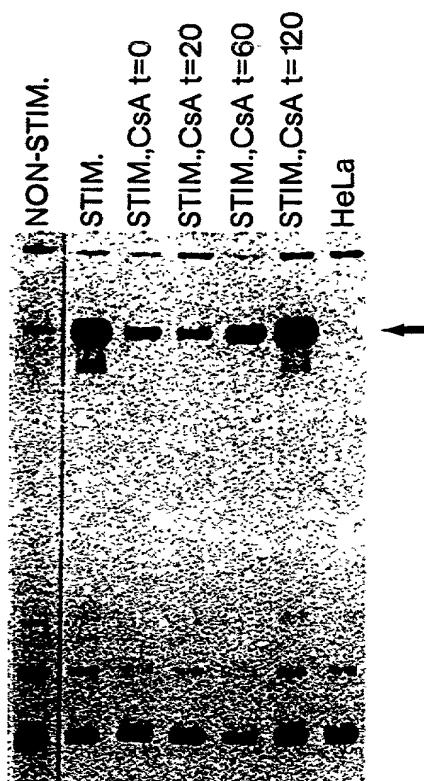


Fig. 16A

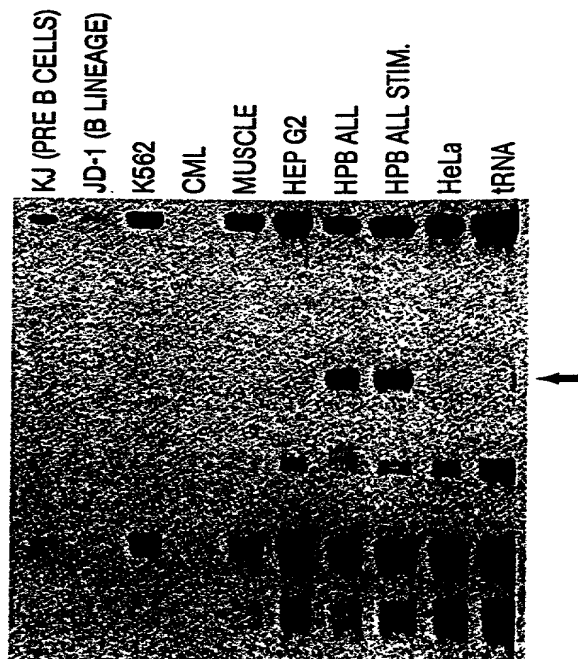


Fig. 16B

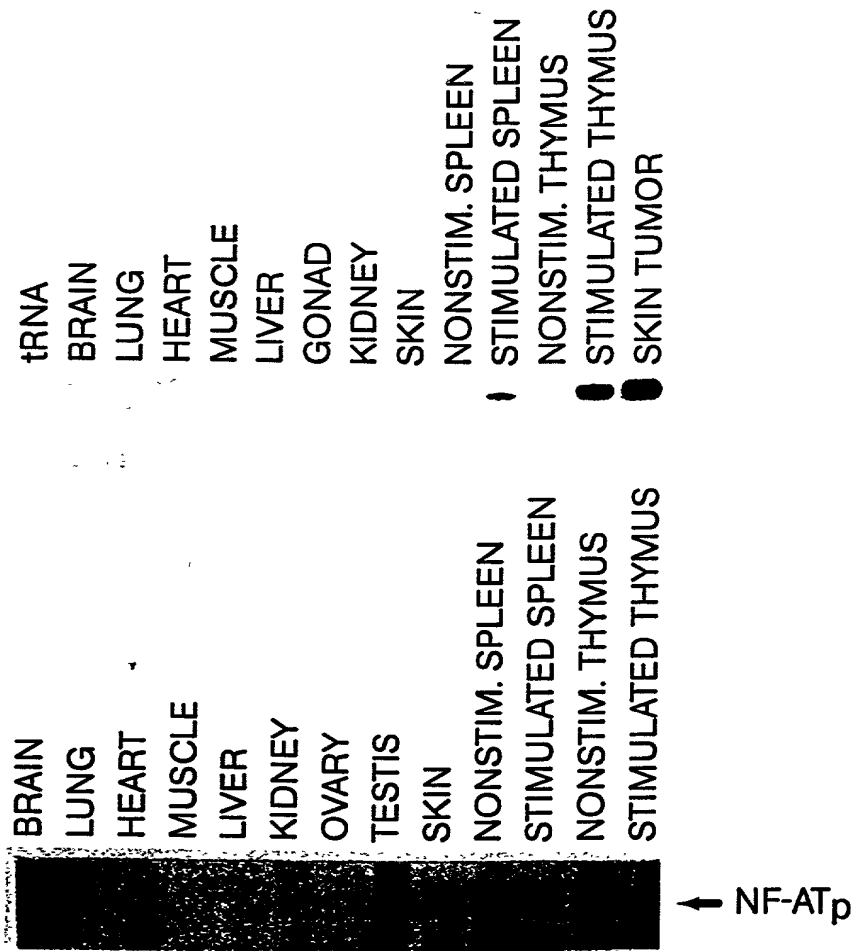


Fig. 16C

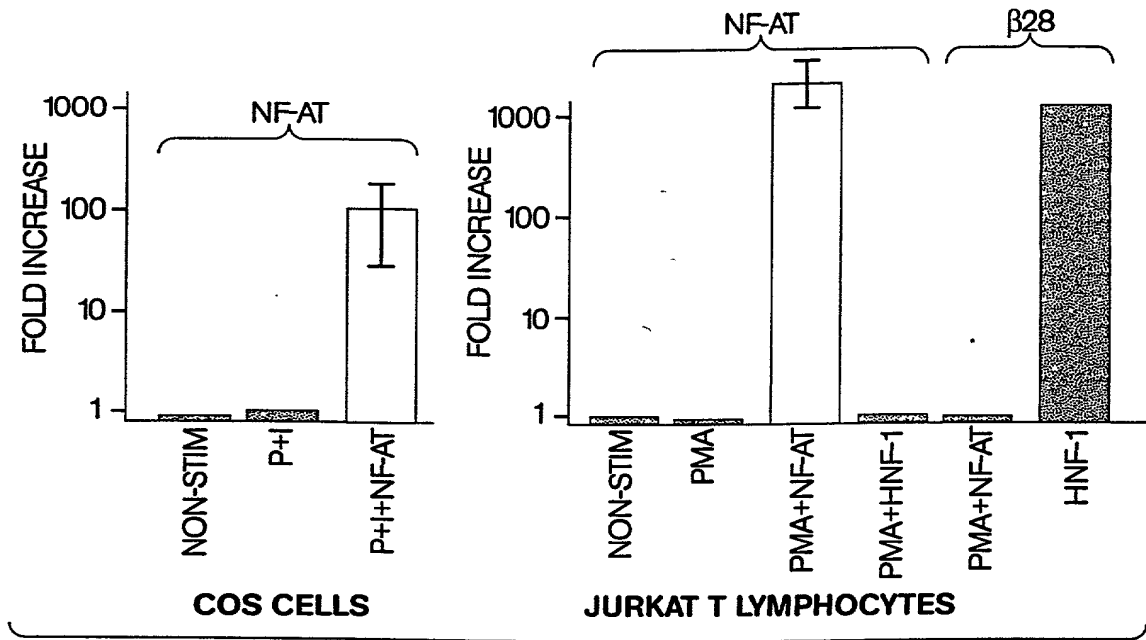


Fig. 17A

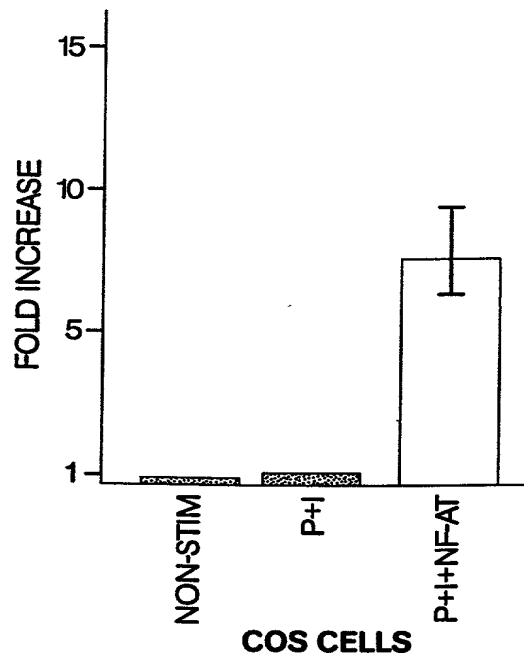


Fig. 17B

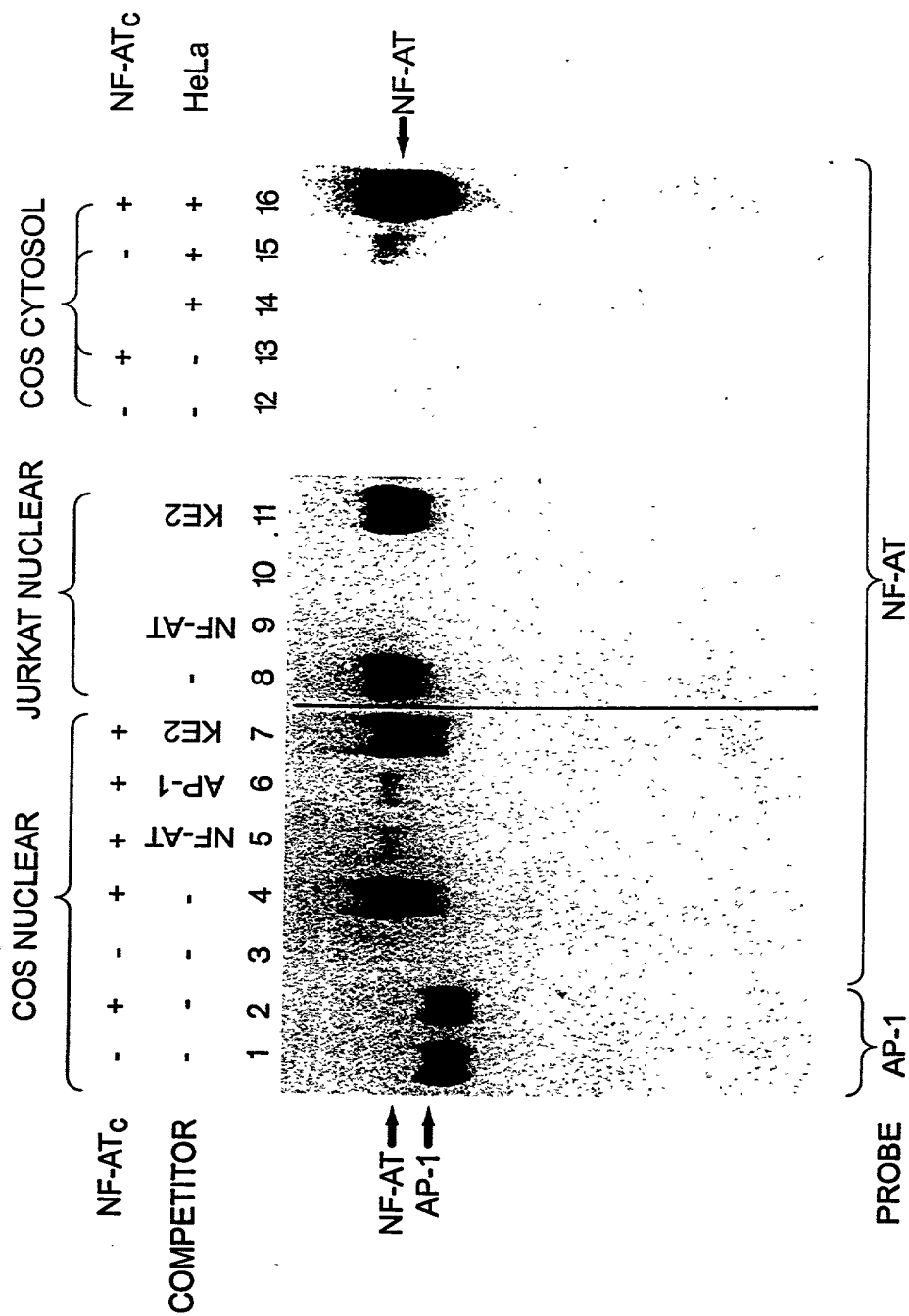


Fig. 17C

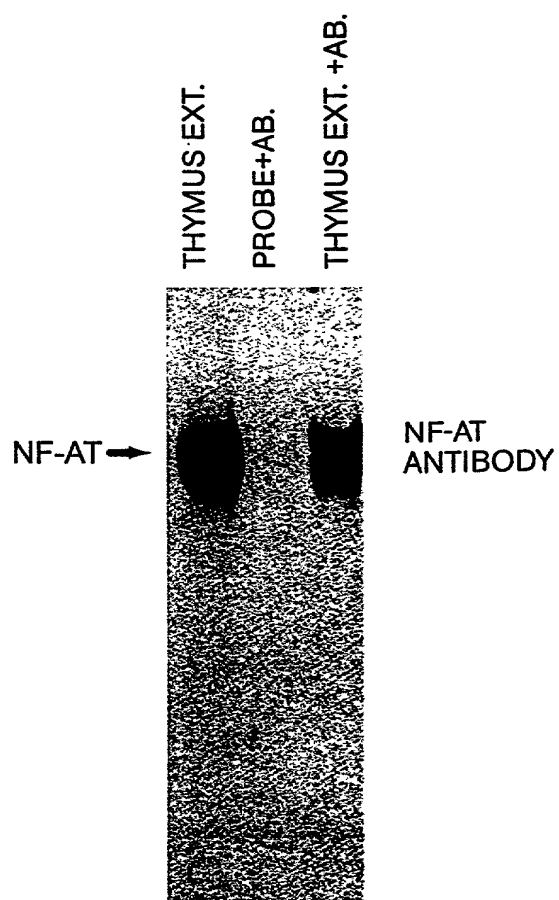


Fig. 17D

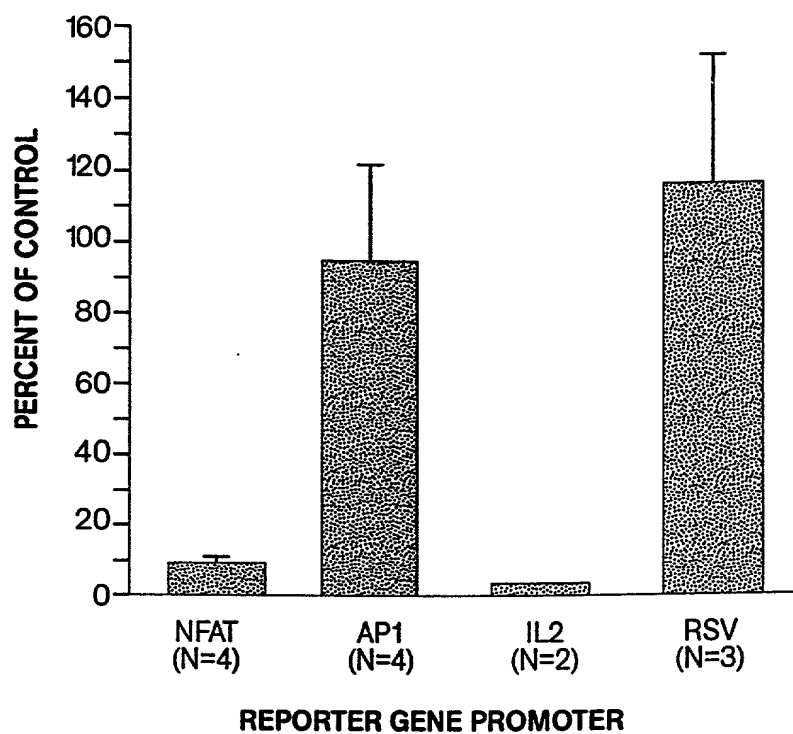


Fig. 18

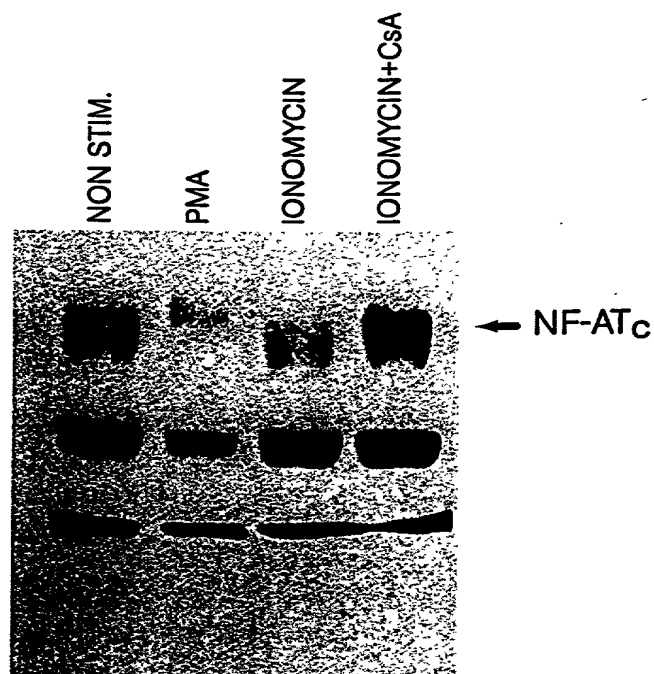


Fig. 19